

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of U.S. Application No. 09/122,629, filed July 27, 1998, now U.S. Patent No. 6,133,022, which is a continuation-in-part of U.S. Application No. 08/613,586, filed March 12, 1996, now U.S. Patent No. 5,786,209, which is a divisional of U.S. Application No. 08/215,416, filed March 21, 1994, now U.S. Patent No. 5,525,301, which is a continuation-in-part of U.S. Application No. 07/911,052, filed July 9, 1992, now U.S. Patent No. 5,296,197, the entire contents of each of these applications is hereby incorporated by reference.

In the Claims:

Please amend the claims as follows:

1. (Twice Amended) A valve for insertion into a ferrule having a given internal diameter, the valve having a sample cavity, a sampling orifice and a drain outlet, the sampling orifice and drain outlet being operatively connected to the sample cavity, a diameter of the sampling orifice can be calculated with the following formula:

$$Dov < or = Dfv - [(Dr1+Dr2) + (Dv1+Dv2) + (Dw1+Dw2) + (Ds1+Ds2) + Div + Ddv]$$
, wherein Dov is the diametric height for orifice